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Network

108

Client
102
Browser
110

Client
102
Browser
110

Logging
Server
106

Log
118

Server
104
Doc.
114
Infrastructure
112

Log
116

Server
104
Doc.
114
Infrastructure
112

Server
104
Doc.
114
Infrastructure
112

Log
116

Fig. 1

Client 102

Web Browser 130

Request 136

Response 138

Logging Request 140

Trivial Response 142

Web Server 134

Page 132

Infrastructure 112

Log 116

Logging Server 106

c.dll

Log 118

Fig. 2

150

```
<HTML>
<HEAD>
<META HTTP-EQUIV="Content-Type" CONTENT="text/html; charset=iso8859-1" />
<TITLE>Welcome to Microsoft's Homepage</TITLE>
                    .
                    .
                    .
</HEAD>
<BODY BGCOLOR="#FFFFFF" TOPMARGIN="0" LEFTMARGIN="0" MARGINWIDTH="0"
MARGINHEIGHT="0" TEXT="#000000" ALINK="#003399" LINK="#003399" VLINK="#003399">
                    .
                    .
                    .
</BODY>
<IMG SRC="http://c.msn.com/c.dll?02.38.29.57">
</HTML>
```
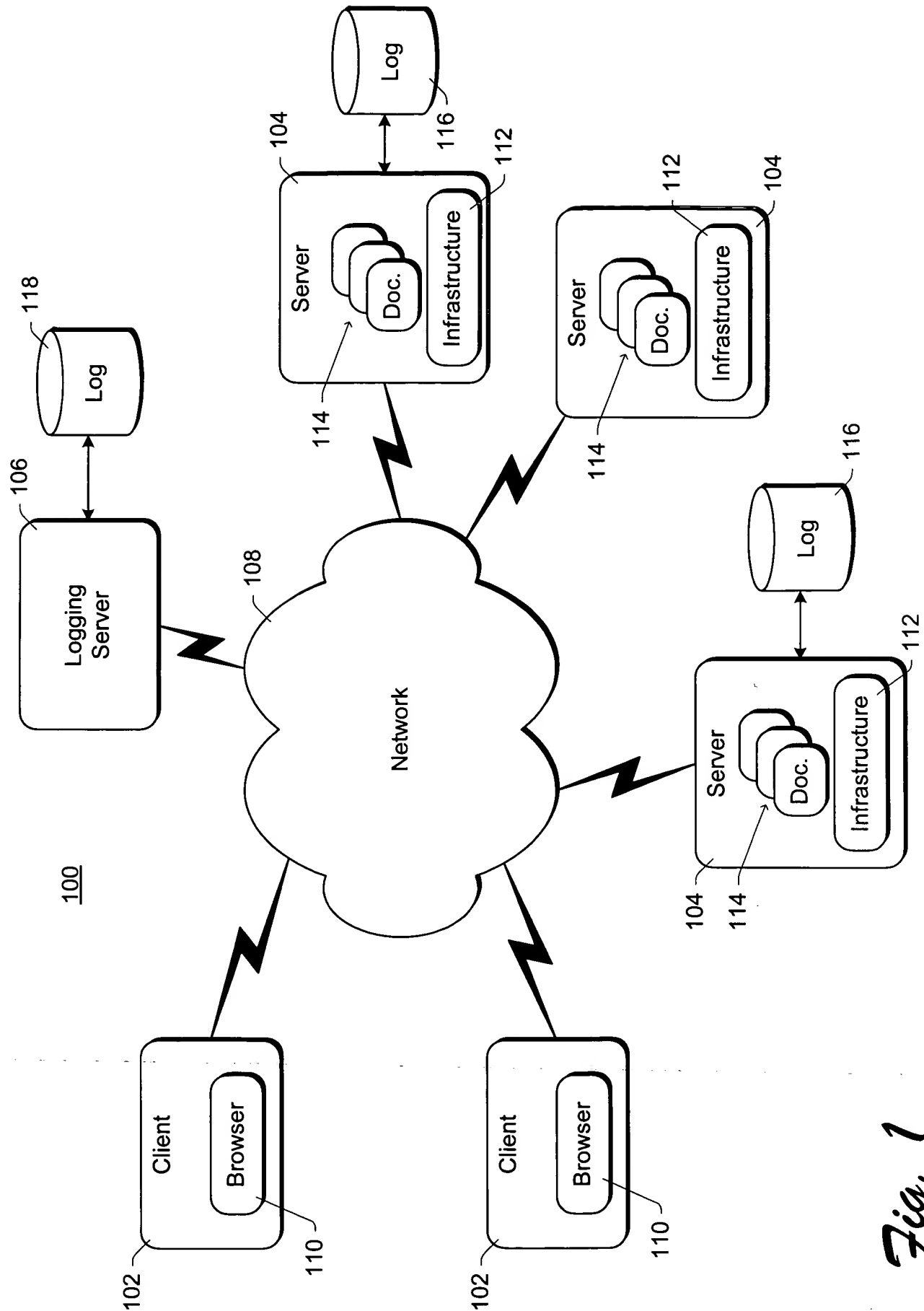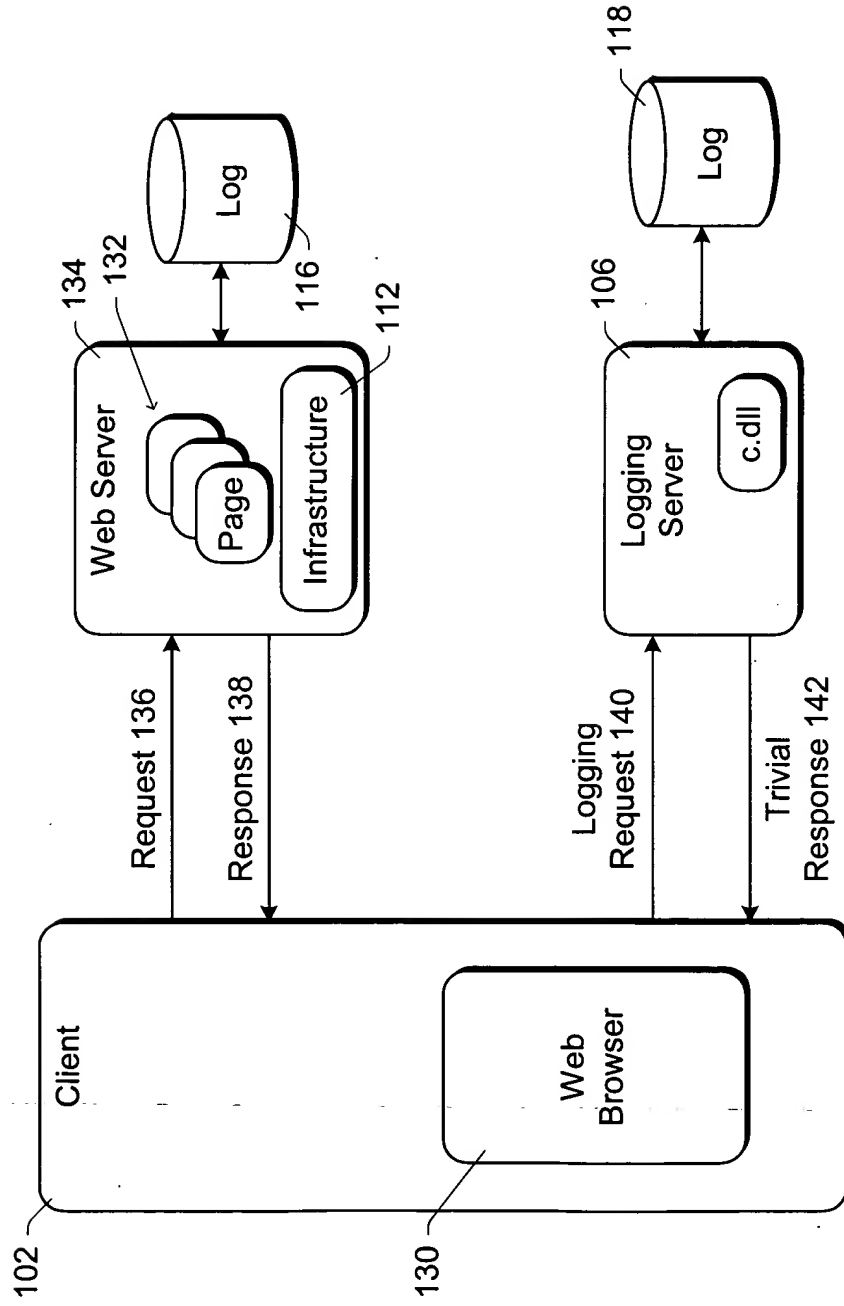
152

154

156

158

Fig. 3

```
BYTE g_abInvisiGif[]  =
{
 0x47, 0x49, 0x46, 0x38, 0x39, 0x61, 0x01, 0x00,
 0x01, 0x00, 0x91, 0xff, 0x00, 0xff, 0xff, 0xff,
 0x00, 0x00, 0x00, 0xc0, 0xc0, 0xc0, 0x00, 0x00,
 0x00, 0x21, 0xf9, 0x04, 0x01, 0x00, 0x00, 0x02,
 0x00, 0x2c, 0x00, 0x00, 0x00, 0x00, 0x01, 0x00,
 0x01, 0x00, 0x00, 0x02, 0x02, 0x54, 0x01, 0x00,
 0x3b
};
```
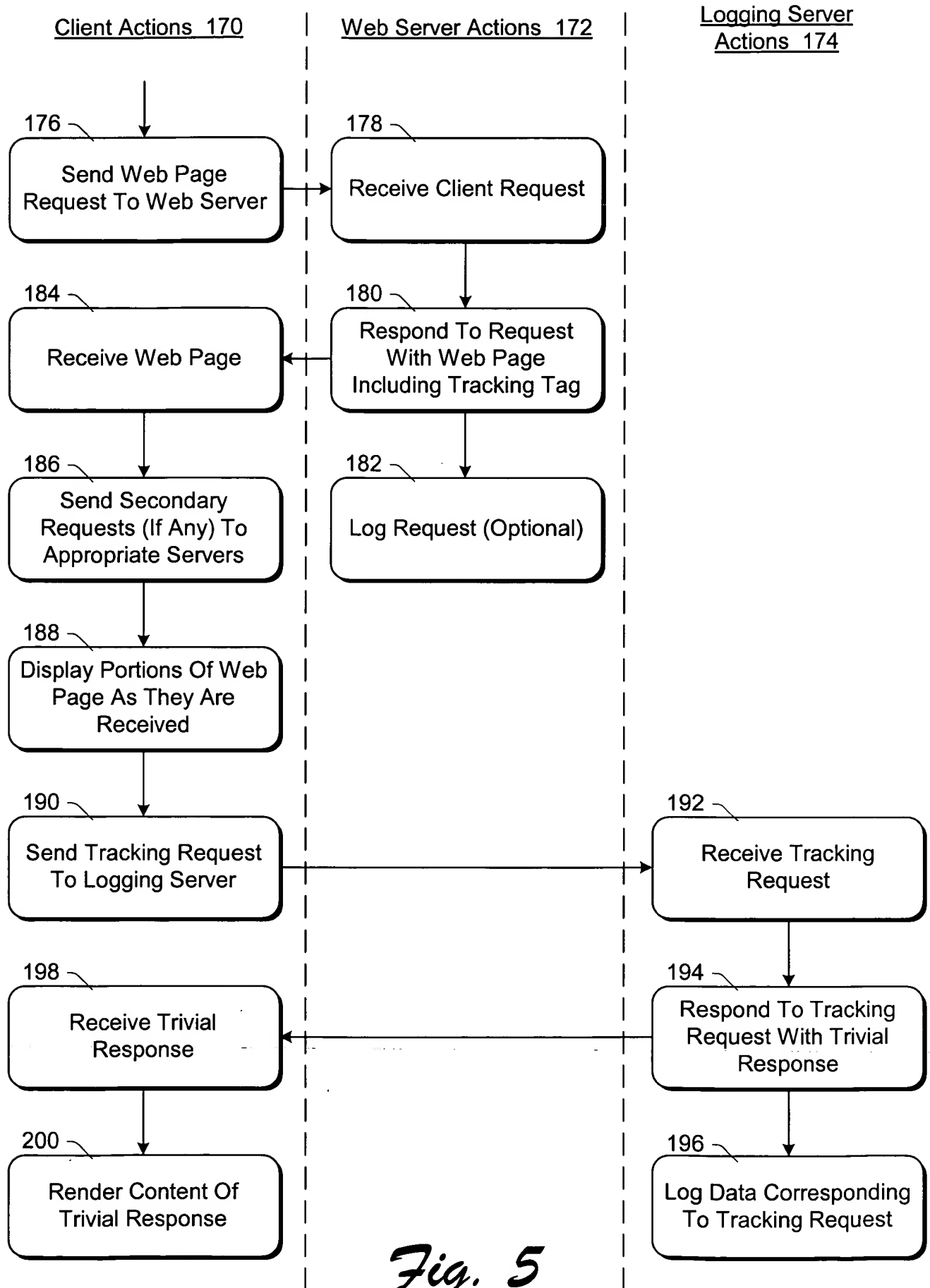
Fig. 4

Client Actions 170	Web Server Actions 172	Logging Server Actions 174

176
Send Web Page Request To Web Server

178
Receive Client Request

184
Receive Web Page

180
Respond To Request With Web Page Including Tracking Tag

186
Send Secondary Requests (If Any) To Appropriate Servers

182
Log Request (Optional)

188
Display Portions Of Web Page As They Are Received

190
Send Tracking Request To Logging Server

192
Receive Tracking Request

198
Receive Trivial Response

194
Respond To Tracking Request With Trivial Response

200
Render Content Of Trivial Response

196
Log Data Corresponding To Tracking Request

Fig. 5

Fig. 6